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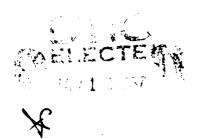
San Diego, CA 92152-6800 NPRDC TN 87-5 December 1986



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# PRELIMINARY CLASSIFICATION OF ARMY AND NAVY ENTRY-LEVEL OCCUPATIONS BY THE HOLLAND CODING SYSTEM



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NPRDC TN 87-5 December 1986

### PRELIMINARY CLASSIFICATION OF ARMY AND NAVY ENTRY-LEVEL OCCUPATIONS BY THE HOLLAND CODING SYSTEM

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Navy Personnel Research and Development Center San Diego, California 92152-6800



### DEPARTMENT OF THE NAVY NAVY PERSONNEL RESEARCH AND DEVELOPMENT CENTER SAN DIEGO, CALIFORNIA 92152-6800

8 December 1986

From: Commanding Officer, Navy Personnel Research and Development Center

Subj: PRELIMINARY CLASSIFICATION OF ARMY AND NAVY ENTRY-LEVEL OC-

**CUPATIONS BY THE HOLLAND CODING SYSTEM** 

Encl: (1) NPRDC TN 87-5

1. The research reported here is directed to the development of computerized vocational guidance for possible use in military recruiting. It was conducted in support of the Army's JOIN (Joint Optical Information Network) system as a part of ongoing efforts to develop its computerized adaptive screening, assignment prediction, and management support capabilities.

2. Funding was provided through a letter of agreement between the Navy Personnel Research and Development Center and the Army Research Institute for the Behavioral and Social Sciences. Additional funding for the coding of Navy occupations was provided by the Military Occupational Information System Project.

3. The work reported here is expected to benefit the recruiting branches of the Army and Navy and the research community.

MARTIN F. WISKOFF By direction

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#### **SUMMARY**

#### Problem

A number of research efforts are developing recruiting-compatible vocational guidance (VG) systems. Efficient VG requires the classification of both occupational preferences and occupations according to a common scheme so that matching of applicant and occupational characteristics can be accomplished systematically. This is particularly important in VG systems for military enlisted recruiting because the job applicants tend to be career-naive and no professional guidance counseling is available.

#### Objective

#### Approach

Information on Army and Navy occupations from official sources was related to job descriptions in the Dictionary of Occupational Titles (DOT; see U.S. Department of Labor, 1977) and the Dictionary of Holland Occupational Codes (DOHC; see Gottfredson, Holland, & Ogawa, 1982) either directly or through expert judgment.

#### Results

Preliminary Holland codes were assigned to all Army occupations and to entry-level Navy occupations. Most Army and Navy entry-level jobs fell into the Realistic category; Investigative jobs were second most common overall. The distribution of all Army enlisted MOS and Navy entry-level ratings within the Holland coding system was also determined.

#### Conclusions

It is theoretically possible to subsume military occupations within the Holland coding system. Application of this widely used scheme should facilitate the elicitation of occupational preferences, focus job exploration by recruits, and enhance the quality of VG during recruiting. The Holland occupational classification system would be an efficient way to organize occupational information in a prototype computerized VG system for military recruiting.

In spite of widespread acceptance of the Holland system itself, the specific job classifications reported here would need review by service-specific subject matter experts and comparisons to the occupational codes derived directly from interest inventories. After a period of use, the utility of Holland classifications for military occupational exploration and vocational preference elicitation could be evaluated.

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#### INTRODUCTION

#### Problem

Although there are some significant differences in applicant characteristics, legal commitments, and constraints on freedom (Wienberger, 1982), in general, the factors affecting vocational choice and occupational placement within and outside the services are similar (Clark, 1955). In both cases, personal abilities, interests, and preferences must be juxtaposed with institutional factors such as job openings, minimum standards, and employment incentives (Sands, 1980).

Evidence supporting the use of vocational guidance (VG) procedures in person-job matching is pervasive in the scientific literature. Furthermore, there is need for preenlistment vocational counseling or guidance based on both applicant characteristics and the nature of military work (Baker, 1983a; 1985). Progress to date has produced prototype VG systems designed to assist both the recruiter and applicant that have been demonstrated by the armed services research laboratories (Baker, 1983b, 1983c; Baker, Rafacz, & Sands, 1983; Ellis & Baker, 1986; Sands, 1981; Yellen & Foley, 1978).

A number of occupational classification systems are currently used by the Armed Forces, but, unfortunately, these systems group occupations according to administrative or logistical convenience. None was designed to facilitate VG. In addition, military occupational classifications do not share common terms with occupational preference tests or applicant vocabulary, making the task of matching applicant preferences to occupational descriptions highly difficult.

Various ways to measure vocational interests, values, and preferences have been investigated for potential contributions to the selection, classification, and assignment of military job applicants, with the goal of increasing job satisfaction, productivity, and retention (Alley, 1978; Barrett & Dambrot, 1975; Bowers, 1975; Clark, 1955; Claudy & Caylor, 1981; Edwards, 1978; Gould, 1978; Hoehn, Wilson, & Richards, 1872; Thomas, 1977). However, interests currently go unmeasured during the recruiting process, and no instrument has been developed that permits an easy link of interests to occupations by recruiters, who are not professional guidance counselors.

VG systems invariably include some form of vocational preference elicitation. However, the use of preferences in a guidance system logically requires the classification of both preferences and jobs according to a common scheme. This is particularly important in military recruiting, where the job applicants tend to be career-naive.

The Holland system would correct that deficiency by classifying both jobs and individuals' vocational interests with common terms.

#### Objective

The objective of this effort was to classify entry-level Navy ratings and Army military occupational specialties (MOS) according to the Holland (1985a) coding system.

#### Background

R. B. Forer's (1951) suggestion that vocational interests are essentially expressions of personality stimulated Holland to develop a simple personality test consisting entirely of occupational items. Using this device and other techniques in an extensive series of

studies, Holland developed his theory that people and environments can be generally classified into six types. The Holland system further categorizes people, occupations, or environments by subtypes that allow more precise descriptions. The classification scheme includes six main categories (see Figure 1) corresponding to the six types: RIASEC. Thus:

- R Occupations classified as Realistic (or R) tend to involve concrete and practical activity involving machines, tools, or materials.
- I Occupations classified as Investigative (or I) tend to involve analytical or intellectual activity aimed at problem solving, trouble shooting, or the creation and use of knowledge.
- A Occupations classified as Artistic (or A) generally involve creative work in the arts: music, writing, performance, sculpture, or other relatively unstructured and intellectual endeavors.
- S Occupations classified as Social (or S) typically involve working with people in a helpful or facilitative way.
- E Occupations classified as Enterprising (or E) tend to be involving working with people in a supervisory or persuasive way, in order to achieve some organizational goal.
- C Occupations classified as conventional (or C) typically involve working with things, numbers, or machines in an orderly way to meet the regular and predictable needs of an organization.

Main categories and subcategories might be viewed as <u>requiring</u> different levels of general educational development (GED) if the classification is applied to an occupation or as <u>possessing</u> different levels of GED if the classification is applied to a person.

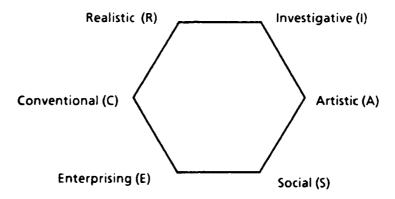


Figure 1. Holland hexagonal classification.

Each main category contains 5 to 16 subcategories, such as, Realistic-Investigative-Artistic (RIA), Realistic-Investigative-Social (RIS), and so on. These are the three-letter Holland codes. The first letter is the most important: It shows the major category into which the occupation or person falls and conveys the most information. The second and third letters, in descending importance, provide supplementary information by showing the categories or types that the person or job next most resembles.

No person or job is a pure type and no other. The number of jobs that might fit a particular person is large. Some people resemble two or three theoretical types to the same degree, and some jobs resemble two or more occupational groups to the same degree. Therefore, describing both people and jobs in terms of their degree of resemblance to several types of groupings is useful.

A variety of types of people are found working successfully within any single occupation, but some types are found more frequently than others (see Holland & Holland, 1977; or Holland, 1979, p. 14). For example, most people working as guidance counselors have Holland preference codes that include S, A, and E, but few have codes of C or R. In short, all occupations tolerate a range of types, but some personality types appear to fit more successfully with an occupation's demands than others. (See Holland, 1985a for a more complete explanation of person-environment fit.)

Because the classification system is an integral part of the Holland theory of vocational choice, the act of classification makes it possible to use the theory to interpret or predict the behavior of persons and the influence of occupations or environments. For example, a person categorized as an RIE might be expected to exhibit the characteristics of the Realistic type most, the Investigative type next, and so on. From another perspective, jobs categorized as RIE should require Realistic activities, competencies, perceptions, and so on. In addition, the average GED level for RIE jobs should indicate the GED required for satisfactory performance.

Occupational classification according to the hexagonal model also provides a method for estimating the "psychological distance" between successive jobs within a career, between two or more vocational preferences, or between individual preference and a specific job. In short, the degree of preference or career change can be estimated. Psychological distance can be defined as dissimilarity of personality types or occupational types that is graphically represented by relative positions within the hexagon. (For a discussion of psychological distance, see Holland, 1985a.) Within this arrangement, proximal occupations are more alike than distant occupations. Thus, career changes such as from social worker (S) to counselor (S) appear to be less important than career changes such as from scientist (I) to business executive (E).

The Holland classification scheme has undergone a number of revisions and tests of usefulness from 1959 to 1982 (Holland, 1985a). In general, the research indicates that the Holland codes organize vocational preferences and occupations according to the theoretical expectations and that the classification can be readily applied to preference and occupational data.

Holland's theory is probably now the most widely used organizing principle for vocational interests in the world. A recent manual (Holland, 1979) noted more than 300 articles, books, chapters, and reviews examining the theory in experimental tests of its

predictions, its value in organizing personal and occupational information, and its practical use. The virtues of the theory are easily summarized:

- 1. The typology is easy to understand.
- 2. It has many characteristics of a useful theory--clear definitions, internally consistent structure, broad scope, and formalizations for dealing with personal development and change.
- 3. It has a broad research support based on studies of children, adolescents, college students, and adults, both men and women, up to 70 years old.
- 4. The theory is easily applied to practical problems such as the development of vocational assessment devices, the classification and interpretation of personal and environmental data, and the conduct of vocational counseling.

In 1979 the U.S. Department of Labor published its <u>Guide to Occupational Exploration</u> with this acknowledgement:

In recognition of the extensive research on the Holland model and its widespread use in vocational counseling today, the USES interest areas were arranged according to the Holland categories.

Similarly, the Canadian government's dictionary of Holland codes includes an acknowledgement of the usefulness of the approach (Employment and Immigration, 1973).

The classification scheme is contained in two publications: The Dictionary of Holland Occupational Codes (DHOC; Gottfredson, Holland, & Ogawa, 1982) and The Occupations Finder (Holland, 1978). The DHOC was developed by keying well-established codes in the 1978 Occupations Finder to occupational ratings for each of 12,099 occupations in the Dictionary of Occupational Titles (Department of Labor, 1977). The DOT makes the 12,099 occupational titles of the DOT more accessible to counselors, clients, and researchers who use the Holland classification to find or to organize occupational information. Multiple discriminant analysis was used to develop classificatory functions based on DOT data (44 occupational ratings) to classify 189 occupational titles from the Occupations Finder into six occupational categories (Gottfredson et al., 1982). The agreement between the first letters codes obtained from the 1977 Occupations Finder and the classificatory functions was 87.8 percent in the construction sample and 77.4 percent in the cross-validation sample. Gottfredson et al. (1982) summarized the development and validation of the codes in detail and outlined some applications to research and practice (See Figures 2 and 3 for sample pages of these publications.)

Because the DHOC is based on the ratings of experienced occupational observers, the classification is now tied closely to occupational data. In addition, the DHOC illustrates that the codes based on the older interest inventory data closely approximate codes based on data from job analyses.

Military use. The current effort is a significant step in applying of Holland coding to vocational guidance during enlistment, that is, coding the entry-level occupations. Ultimately, by assigning three-letter Holland codes to both preferences and occupations, it might be feasible to use preferences in the recruiting VG system to find military occupations that are compatible with an applicant's interests. To that end, the Navy contracted with the author of the Holland coding system to establish preliminary classifications for entry-level Army and Navy occupations.

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Figure 2. Sample page (p. 296) from the Dictionary of Holland Occupational Codes.

#### **Investigative Occupations (Continued)**

| CODE: IER  | ED | CODE: IRS (cont.)                               | ED                    |
|--|----|---|-----------------------|
| Chief Engineer (010.167-010)                     | 6  | Anesthesiologist (070.101-010)                  | 6                     |
| Geographer, Physical (029.067-014)               | 6  | Animal Breeder (041.061-014)                    | 6                     |
| Mathematician (020.067-014)                      | 6  | Animal Scientist (040.061-014)                  | 6                     |
| Pollution-Control Engineer (019.081-018)         | 6  | Biochemist (041.061-026)                        | 6                     |
| Psychologist, Educational (045.067-010)          | 6  | Botanist (041.061-038)                          | 6<br>6                |
| Seismologist (024.061-050)                       | 6  | Cardiologist (070.101-014)                      | 6                     |
| Technical Director, Chemical Plant (008.167-010) | 6  | Ceramic Engineer (006.061-014)                  | 6                     |
| Engineer of System Development (003.167-026)     | 5  | Dairy Technologist (040.061-022)                | 6<br>6                |
| Geodetic Computer (018.167-014)                  | 5  | Entomologist (041.061-046)                      | 6                     |
| Manager, Land Surveying (018.167-022)            | 5  | Fiber Technologist (040.061-026)                | 6                     |
| Navigator (196.167-014)                          | 5  | Forest Ecologist (040.061-030)                  | 6                     |
| Project Engineer (019.167-014)                   | 5  | Geneticist (041.061-050)                        | 6                     |
| Sales Engineer, Agricultural Equipment           | _  | Geophysicist (024.061-030)                      | 6                     |
| (013.151-010)                                    | 5  | Parasitologist (041.061-070)                    | 6<br>6                |
| Surveyor, Marine (018.167-046)                   | 5  | Pediatrician (070.101-066)                      | 6                     |
| Systems Analyst, Electronic Data (012.167-066)   | 5  | Plant Breeder (041.061-082)                     | 6                     |
| •          |    | Plant Pathologist (041.061-086)                 | 6<br>6<br>6           |
| CODE: IEA  | ED | Poultry Scientist (040.061-042)                 | 6                     |
|  | -  | Psychologist, Experimental (045.061-018)        | 6                     |
| Chemical-Laboratory Chief (022.161-010)          | 6  | Radiologist (070.101-090)                       | 6                     |
| Director, Quality Control (012.167-014)          | 6  | Range Manager (040.061-046)                     | 6                     |
| Superintendent, Water-And-Sewer Systems          |    | Soil Scientist (040.061-058)                    | 6                     |
| (184.161-014)                                    | 6  | Wood Technologist (040.061-062)                 | 6                     |
| Land Surveyor (018.167-018)                      | 5  | Air Analyst (012.261-010)                       | 6<br>5                |
| Medical Technologist, Chief (078.161-010)        | 5  | Chemical Research Engineer (008.061-022)        | 5                     |
|  |    | Chemical-Laboratory Technician (022.261-010)    | 5                     |
| CODE: IES  | ED | Electrical Engineer (003.061-010)               | 5                     |
| Allergist-Immunologist (070.107-010)             | 6  | Hydraulic Engineer (005.061-018)                | 5<br>5<br>5<br>5<br>5 |
| Metrologist (012.067-010)                        | 6  | Meteorologist (025.062-010)                     | 5                     |
| Safety Manager (012.167-058)                     | 6  | Veterinarian (073.101-010)                      | 5                     |
| Sociologist (054.067-014)                        | 6  | Cloth Tester (029.381-010)                      | 4                     |
| Appraiser (188.167-010)                          | 5  | Laboratory Assistant (029,381-014)              | - 1                   |
| Electronics-Test Engineer (003.061-042)          | 5  | Respiratory Therapist (079.361-010)             | 1                     |
| Job Analyst (166.267-018)                        | 5  | Scientific Helper (199.364-014)                 | 7                     |
| Nurse, Supervisor, Occupational                  | 3  | 2000 (133.004 014)                              | •                     |
| Health Nursing (075.137-010)                     | 5  | CODE: IRE                                       | ED                    |
| Occupational Analyst (166.067-010)               | 5  |   | LU                    |
| Public Health Service Officer (187.117-050)      | 5  | Aeronautical-Research Engineer (002.061-026)    | 6                     |
| Pharmacist (074.161-010)                         | 5  | Anthropologist (055.067-010)                    | 6                     |
| I intiliated (0/4.101-010)                       | J  | Aquatic Biologist (041.061-022)                 | 6                     |
| CODE: IEC  | ED | Archeologist (055.067-018)                      | 6                     |
| CODE. IEC  | EU | Architect, Marine (001.061-014)                 | 6                     |
| Highway-Administrative Engineer (005.167-022)    | 6  | Astronomer (021.067-010)                        | 6                     |
| Photogrammetric Engineer (018.167-026)           | 6  | Biomedical Engineer (019.061-010)               | 6                     |
| Fire-Protection Engineer (012.167-026)           | 5  | Biophysicist (041.061-034)                      | 6                     |
| Programmer, Information System (020.187-010)     | 5  | Chemical Engineer (008.061-018)                 | 6                     |
| Tissue Technologist (078.361-030)                | 5  | Chemist (022.061-010)                           | 6                     |
|  | 1  | Chemist, Food (022.061-014)                     | 6                     |
| CODE: ICR  | ED | Computer-Applications Engineer (020.062-010)    | 6                     |
| Chief Drafter (007.261-010)                      | 5  | Dairy Scientist (040.061-018)                   | 6                     |
| Cytotechnologist (078.281-010)                   | 5  | Electrical Engineer, Power System (003.167-018) | 6                     |
| Management Analyst (161.167-010)                 | 5  | Environmental Analyst (029.081-010)             | 6                     |
| Programmer, Process Control (020.187-014)        | 5  | Ethnologist (055.067-022)                       | 6                     |
|  | ٠  | Geographer (029.067-010)                        | 6                     |
| CODE: IRA  | ED | Geologist (024.061-018)                         | 6                     |
|  | ļ  | Hydrologist (024.061-034)                       | 6                     |
| Surgeon (070.101-094)                            | 6  | Marine Engineer (014.061-014)                   | 6                     |
| Veterinarian, Poultry (073.101-014)              | 5  | Metallurgist, Physical (011.061-022)            | 6                     |
| 600 D  | j  | Nuclear Engineer (015.061-014)                  | 6                     |
| CODE: IRS  | ED | Operations-Research Analyst (020.067-018)       | 6                     |
| Aeronautical Engineer (002.061-014)              | 6  | Pathologist (070.061-010)                       | 6                     |
| Agronomist (040.061-010)                         | 6  | Periodontist (072.101-030)                      | 6                     |
| = · · · · · · · · · · · · · · · · · · ·          |    |   |                       |

Figure 3. Sample page (p. 6) from The Occupational Finder.

The application of Holland's classification to military jobs provides a severe test of the classification scheme because most military jobs fall in a single category: Realistic. These occupations require technical, electronic, or mechanical skills and/or physical agility and strength. Nevertheless, some evidence supports the expectation that the subcategories in the scheme can distinguish occupations within the Realistic category.

For example, in a comprehensive investigation of the work histories of 973 men aged from 30 to 39, the application of the classification indicated that 78.6 percent of 5,812 job transactions for 757 men are within the same major categories. Of special importance, in the Realistic category (where the sample N was large enough to do the analyses), the two- and three-letter codes for a man's occupation predicted the code of his occupation 5 and 10 years later. These results were statistically significant and moderately efficient; the percentage of "hits" ranged from 38.8 to 46.7 (Holland, Sorensen, Clark, Nafziger, & Blum, 1973). Tables 1 and 2 show these results.

Table 1

Predictive Value of Second Letter in Classification
Code for Realistic Occupations Only

| Classification | Occupational Category |          |         |    |       |       |  |
|----------------|-----------------------|----------|---------|----|-------|-------|--|
| Code           | RI                    | RS       | RE      | RC | Other | Total |  |
|                |                       | 5 years  | later   |    |       |       |  |
| RI             | 130                   | 26       | 5       | 16 | 43    | 220   |  |
| RS             | 67                    | 110      | 4       | 35 | 44    | 260   |  |
| RE             | 5                     | 4        | 2       | 3  | 10    | 24    |  |
| RC             | 11                    | 11       | 2       | 15 | 7     | 46    |  |
|                |                       | 10 years | s later |    |       |       |  |
| RI             | 119                   | 25       | 4       | 16 | 53    | 217   |  |
| RS             | 104                   | 93       | 11      | 43 | 48    | 299   |  |
| RE             | 9                     | 1        | 4       | 2  | I 1   | 27    |  |
| RC             | 17                    | 7        | 2       | 14 | 10    | 50    |  |

Notes. Abbreviations: R = realistic, I = investigative, S = social, E = enterprising, and C = conventional.

From "Applying an occupational classification to a representative sample of work histories" by J. L. Holland, A. B. Sorensen, J. P. Clark, D. H. Nafziger, and Z. D. Blum, 1973, <u>Journal of Applied Psychology</u>, 59, p. 37. Copyright 1973 by American Psychological Association. Reprinted by permission.

Table 2

Predictive Value of Third Letter in Classification Code for Codes of Realistic-Investigative Only

| Classification |     | Oce       | cupationa | l Category |       |
|----------------|-----|-----------|-----------|------------|-------|
| Code           | RIS | RIE       | RIC       | Other      | Total |
|                |     | 5 years l | ater      |            |       |
| RIS            | 8   | 3         | 2         | 12         | 25    |
| RIE            | 4   | 65        | 13        | 53         | 135   |
| RIC            | 2   | 10        | 23        | 25         | 60    |
|                |     | 10 years  | later     |            |       |
| RIS            | 6   | 4         | 4         | 12         | 26    |
| RIE            | 4   | 58        | 11        | 61         | 134   |
| RIC            | 1   | 9         | 22        | 25         | 57    |

Notes. Abbreviations: R = realistic, I = investigative, S = social, E = enterprising, and C = conventional.

From "Applying an occupational classification to a representative sample of work histories" by J. L. Holland, A. B. Sorensen, J. P. Clark, D. H. Nafziger, and Z. D. Blum, 1973, <u>Journal of Applied Psychology</u>, 59, p. 37. Copyright 1973 by American Psychological Association. Reprinted by permission.

#### **APPROACH**

Information on Army and Navy occupations was collected from a variety of sources, each of which contains an abundance of information on occupations and occupational groups. Readers should refer to the originals for further information. Sources include the following:

- 1. Enlisted Career Management Fields and Military Occupational Specialties (AR 611-201; Department of the Army, 1985), which is used by the Army in classifying recruits.
- 2. <u>Dictionary of Occupational Titles</u> (DOT; Department of Labor, 1977), which contains information on over 12,000 occupational titles.
- 3. <u>Military Occupational and Training Data</u> (MOTD; Office of the Assistant Secretary of Defense, 1985), which resulted from a joint-service effort to cross-classify military and civilian jobs.

- 4. Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards. Section II. Navy Enlisted Classifications (Department of the Navy, 1986), which is used by Navy in recruit classification.
- 5. Navy Classifier's Rating Fact Sheet (Department of the Navy, undated), which is also used in recruit classification.

Information in these sources was related to information contained in the DHOC either directly or through expert judgment.

#### **RESULTS AND DISCUSSION**

An overall picture of the results for entry-level jobs is provided by Figure 4. According to this preliminary classification effort, over half the entry-level jobs in both the Army and Navy are Realistic (involve concrete, practical work with machines, tools, or materials), with Investigative (analytic problem-solving) and Social (facilitative work with people) as the next most common primary Holland classifications.

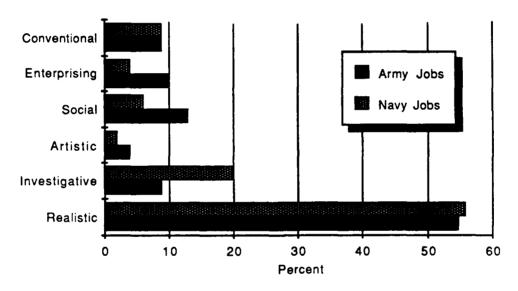


Figure 4. Holland categories of entry-level jobs.

#### Army Occupations

Classification of Army Enlisted occupations (entry and non-entry) was accomplished by reviewing the information in Enlisted Career Management Fields and Military Occupational Specialties (ECMF/MOS; Department of the Army, 1985). Each MOS was assigned a three-letter Holland code by reviewing the Army job descriptions, the related DOT code, and the DHOC, which empirically translates all civilian occupations and many military occupations into Holland codes. Appendix A lists MOS titles with their preliminarily three-letter Holland occupational code.

Although a few MOSs were equivalent to DOT codes and therefore explicitly related to a Holland code via the DHOC, the assignment of most codes required judgment. This process was guided by a review of "related DOT occupations," according to the ECMF/MOS and by a review of occupations assigned the same Holland code in the DHOC.

The Army entry-level enlisted occupations were also assigned Holland occupational codes by reviewing the MOTD (Department of Defense, 1985). These 129 entry occupations and their Holland codes are contained in Appendix B. The classifications for those 129 occupations were the same as those previously assigned through expert judgment.

#### Navy Occupations

The classification of 96 Navy entry-level occupations was accomplished by reviewing the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards. Section II. Navy Enlisted Classifications (Department of the Navy, 1986) and the Classifier's Rating Fact Sheets. Each rating was assigned a three-letter code following the same procedures used for coding Army MOSs. The Navy entry-level occupations and their Holland codes are listed in Appendix C.

#### Occupational Distributions

The distributions of Army and Navy entry-level enlisted occupations according to Holland codes is presented in Table 3 in order of predominance. Figure 4 shows the percentages of Army and Navy entry-level jobs in each Holland category. The distribution of all Army enlisted occupations is presented in Appendix D. These distributions are arranged following the hexagonal model main groups in RIASEC order and subgroups of RIS, RIE, REI, RES, REC, and so on (see Holland, 1985a, page 123, for a detailed explanation).

The occupational distributions of military jobs have a number of interpretations. The most obvious is that recruits with Realistic interests are likely to find the military compatible, but recruits with Investigative, Artistic, Social, Enterprising, and Conventional interests have fewer possibilities. Recruits with Artistic interests may find the usual military jobs a particularly poor fit. Among the subcategories, the RIs RSs, REs, RCs and IRs would be expected to find the military environment most compatible. Figure 5 indicates the availability of different types of Realistic Army jobs.

Army and Navy entry-level jobs are similar to the occupational groups of skilled tradesmen created by Clark (1961), Clark and Campbell (1965), and Norman (1960) for Navy and civilian occupations. The scales for Mechanical, Health Service, Office Work, Electronics, Food Service, Carpentry, and Outdoors from the Minnesota Vocational Interest Inventory also appear to correspond to entry-level military occupations (see Clark & Campbell, 1965).

A major caveat is in order. The Holland coding of military occupations as accomplished here is predicated on the supposed similarity of military and civilian occupations. That is, a welder is a welder, etc. To the degree the same-titled military and civilian occupations are dissimilar, any occupational classification system, other than one unique to the military, should be used with caution. Particular attention will have to be paid to combat arms occupations in this regard.

Nevertheless, current thinking regards the best approach to the problem of developing military occupational exploration and VG systems as one that considers most military and civilian jobs (qua job) as identical, while addressing the unique military factors separately (Baker, 1987). In that light, the Holland codes should prove sound. Their use should facilitate the elicitation of occupational preferences, focus occupational exploration, and enhance the VG provided during the enlistment process.

Table 3

Distributions of Army and Navy Entry-level Enlisted Occupations

| Army (1  | N = 129)   | Navy (N ± 96)  |   |  |
|--|--|--|---|--|
| Realisti   | c = 55%  | Realistic  | = 56%   |  |
| RIS RIE RSE RSC RSI REI RES REC RCI RCS                            | 3<br>22<br>5<br>1<br>1<br>15<br>15<br>2<br>1<br>2<br>4<br>71 | RIS<br>RIE<br>RIC<br>RSE<br>REI<br>RES<br>REC<br>RCE | 3<br>21<br>1<br>4<br>11<br>10<br>1<br>3<br>54 |  |
| Social   | = 13%  | Social =   | 6%  |  |
| SEC<br>SER<br>SEI<br>SEA<br>SCR<br>SCI<br>SCE<br>SRE<br>SAE<br>SAI | 3 2 1 1 2 1 1 2 1 7  | SEC<br>SER<br>SIA<br>SIR<br>SAI                      | 1<br>2<br>1<br>1<br>-16                       |  |
| Enterpri   | sing 10%   | Enterprisir  | ng = 4%                                       |  |
| ECS<br>ERI<br>ERS<br>ESC<br>ESR<br>ESI<br>ESA                      | 2<br>1<br>2<br>2<br>3<br>2<br>1<br>13                        | ERS<br>EAS<br>ESC<br>ESR                             | 1<br>1<br>1<br>-1<br>4                        |  |
| Investiga  | tive = 9%  | Investigativ   | e = 20%                                       |  |
| ISR<br>ISA<br>IER<br>IRS<br>IRE<br>IRC                             | 1<br>1<br>2<br>1<br>5<br>1                                   | IRS<br>IRE   | 2<br>19<br>21                                 |  |
| Conventi   | onal = 9%  | Convention   | nal = 9%                                      |  |
| CRS<br>CRE<br>CSE  | 3<br>1<br>8<br>12  | CRS CSE CSR CES CER CEI CIE                          | 1<br>2<br>1<br>2<br>1<br>1<br>1<br>-          |  |
| Artisti  | c = 4%   | Artistic   | = 2%  |  |
| ASE<br>ASI<br>AES  | 1<br>1<br>3<br>5   | AER<br>AEI   | 1 1 2   |  |

The Holland codes assigned in this research should be reviewed by service-specific expert panels and compared to the codes derived directly from interest inventories. After a period of use, the usefulness of the Holland classifications for occupational exploration and vocational preference elicitation can be evaluated.

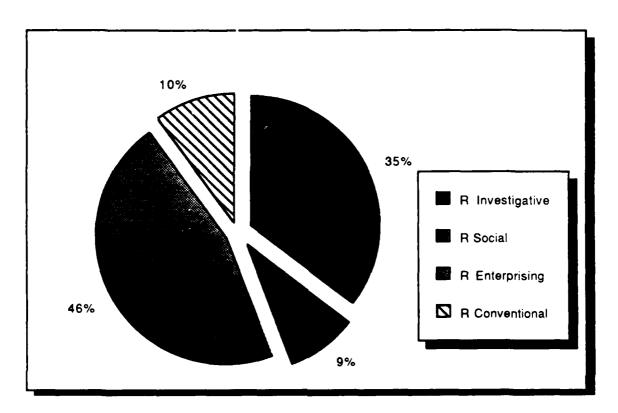


Figure 5. Breakdown of Realistic Army jobs by their second Holland code.

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## APPENDIX A HOLLAND-CODED ARMY OCCUPATIONS

| Table 1-4<br>Alphabetical list of MOS  | by title    |  | Ammunison specialist   | 558         | 55 RCI         | Central office operations                                     | 72H               | 31 CS/                      |
|--|-------------|--|--|-------------|----------------|---|-------------------|-----------------------------|
|  | MOS         | CMF  | Animal care specialist   | -91T        | <u> </u>       | CHAPARRAL/REDEYE  |                   |                             |
| Accounting specialist  | 73D         | 71 ESE   | - ANT/SQ 73 air detense<br>artillery command &   | 25L         | 23             | repairer  | 27G               | $\mathbb{Z}^n \mathbb{R}^n$ |
| Ar defense artiflery operations and  | 16H         | 16 RIE   | control system operator/ repairer  |             | RSE            | CHAPARRAL system mechanic                                     | 24N               | 20 RC                       |
| intelligence assistant   |             |  | Area intelligence specialist   | 97C         | 9651E          | Chapel activities specialist                                  | 71M               | 17/17                       |
| Air detense arbilery short<br>range gunnery crewman  | 16R         | 16 REC   | Armament/fire control maintenance supervisor   | 452         | " RES          | - Chemical laboratory specialist                              | 920               | SIRIC                       |
| Air de'ense artillery short range missile crawman  | 16P         | 16 RJE   | Armor senior sergeant  | 192         | 19 <i>E</i> 15 | Chemical senior sergeant                                      | 54Z               | su RE                       |
| Agministrative specialist  | 71L         | 71 ESC   | Artillery repairer   | 45L         | 63/556         | Clannet player  | 02J               | 97 75                       |
| Automatic digital message  | 34H         | 74   | Atomic demoirbon   | 12E         | 12 RIE         | Club manager  | <b>0</b> 0J       | 7123                        |
| switch equipment   | •           | RES  | Attack helicopter repairer   | 67Y         | 67RIE          | College trainee   | 09C_              |                             |
| repairer  Automatic data processing-   | 347         |  | Audio television apecialist  | 84F         | "RES           | Combat area surveillance radar repairer                       | 26C               | 20 RS                       |
| maintenance supervisor   |             | "BR  | Audiovisual equipment  | 41E         |                | Combat engineer   | 128               | 12RE                        |
| Aenal electronic warning defense equipment   | 26K         | TRE  | repairer Automatic test equipment  | 35C         | "RSE           | Combat enç sering senior                                      |                   | 12 RS                       |
| repairer   |             |  | repairer   | 350         | PCE            | sergeant Combat signaler                                      | 214               | 31 <b>R</b> /E              |
| Verial photoactive sensor<br>repairer  | 26F         | 28 IKE   | Avionic communication  | 35L         | 26 2 5-0       | Combat signaler  Command sergeant major                       | 31K<br>00Z        | 372                         |
| Nemai sensor apacialist  | 47t         | 96   | equipment repairer   |             |                | Commissioned officer  | 095               |                             |
| (CV 18/6)(Reserve<br>Forces)   |             |  | Avionic equipment maintenance supervisor   | 35P<br>     | 20 REC         | candidate   |                   |                             |
| lenal intelligence   | 96H         | *AES   | Avionic mechanic   | 35K         | 28 KG          | Communications-<br>electronics mainte-                        | <b>32</b> Z       | 20                          |
| specialist   |             |  | Avionic navigation and flight control equipment  | 35M         | 28 RI€         | nance chief   | <del>.</del>      | <b>I</b> RE                 |
| enal surveillance sensor<br>repairer   | 26E         | "RIE   | repairer   |             | 710            | Communications-<br>electronics operations                     | 31Z               | 31                          |
| H 1 attack helicopter  | <b>66</b> Y |  | Avionic special equipment  | 35R         | 20 RIE         | chief   |                   | IEX                         |
| technical inspector  |             | PIE  | repairer   | 277         | 27             | Computer/machine  | 74D               | 74 CS 6                     |
| H 64 attack helicopter<br>repairer   | 67R         | "RE  | Land combat/ air defense<br>systems maintenance<br>chief                                 | 272         | IRE            | Concrete and asphalt  | 62H               | 51 R.E                      |
| H 64 attack helicopter technical inspector   | <b>6</b> 6P | "RIE   | Bantone or euphonium player  | 02C         | "AEI           | equipment operator  Construction engineering                  | 51H               | <u> </u>                    |
| irbrake repairor (Resense<br>Forces)   | 65€         | 401  | Bassoon player   | 02K         | OFFEL          | supervisor  Construction equipment                            | 62B               | "ERS                        |
| rcraft armaments   | <b>66</b> J | 677PE  | Behavioral sciences specialist   | 91G         | 81 SiA         | repairer  |                   | KE                          |
| technical inspector rcraft components repair   | 68K         | FIE  | Biological sciences<br>assistant   | 01H         | "TSR           | Construction equipment supervisor                             | 32N               | "ER                         |
| supe∾isor  |             |  | Biomedical equipment   | 35G         | 9121E          | Construction surveyor   | 62B               | 577                         |
| rcraft electrician   | 68F         | STRIE :  | specialist, basic  |             | **/6           | Coronet or trumpet player                                     | 02B               | 955E                        |
| rcraft fire control repairer   | 68.         |  | Biomedical equipment   | 35U         | 91 ZE          | Correctional specialist                                       | 95C               | *51E                        |
| rcraft maintenance<br>senior sergeant  | 672         | PIE  | specialist, advanced BRADLEY lighting vehicle  | <b>63</b> T | 83 P. J        | Countenntelligence agent                                      | 97B<br>71E        | 71CSE                       |
| rcraft pneudraulias  | 68H         | FIE  | system mechanic  | 63:         | - XIE          | Court reporter  | 62F               | 512/5                       |
| repairer   |             |  | BRADLEY fighting vehicle   | 45T         | 63 RIE         | Crane operator  | 92E               | 175K                        |
| rcraft powerplant reparer  | <b>68</b> B | ·RIE   | system turret mechanic   |             | 75-            | Cytology specialist  Data communications                      | 72G               | 31                          |
| rcraft powertrain repairer   | <b>68</b> D | 67KIE  | Brass group leader   | 02P         | 97/75/         | switching center  |                   | CSE                         |
| rcraft quality control   | 67W         | 67777  | andge crewman  | 12C         | 12756          | apecalist   |                   |                             |
| supervisor   |             | 121  | Broadcast journalist   | 71R         | MASE           | Data processing NCO   | 742               | 74 CR                       |
| craft structural repairer  | 68G         |  | Celibration specialist   | 35H         | nRIE           | Decentralized automated service support                       | 34C               | 74<br>82/ <i>E</i>          |
| craft weapon systems<br>repairer   | 68M         | KIE .  | Cannon crewman Cannon fire direction   | 13E         | 13 RS Z        | computer repairer   | •••               | RIE                         |
| detense afallery sonior  | 162         | 16 REI -   | specialist   |             | 13 RIE         | Defense acquisition radar operator                            | 160               | "RCE                        |
| ME'CEAC'   |             | 77-1   | Cannon/missile senior<br>sergeant  | 13Y         | "ERS           | Defense acquisition radar<br>mechanic                         | 24P               | 23R/E                       |
| serneant<br>defense radar repairer   | 26H         | 23 KE  |  |             | 74 CRI         | Dental laboratory specialis:                                  | 422               | 91RE                        |
| defense radar repairer<br>traffic control tower  | 26∺<br>93∺  | 93 SER 9   | Card and tape writer   | 74B         | - CX I         | 50 G 50 5.0 ; 400 5.  | 420               |                             |
| defense radar repairer   | 93H         | 93 SER   | (Reserve Forces)   |             | - 1 ECT        | Dental specialist   | 91E               | 91SAZ                       |
| defense radar repairer<br>traffic control tower<br>operator  |             | 93SER 93SER                                      | (Reserve Forces)   | 91N         | 91 KCT         | Dental specialist Dial/manual central office                  |                   | 915A3                       |
| defense radar repairer traffic control tower operator traffic control radar operator traffic control radar operatorier         | 93H         | 93 SER 93 SER 95                                 | (Reserve Forces)  largiac specialist  largo specialist                                   | 91N<br>57H  | ORES           | Dental specialist Dial/manual central office repairer         | 91E<br>36H        | "CRE                        |
| defense radar repairer traffic control tower operator traffic control radar controller   | 93H<br>93J  | 93 SER 93 SER 95                                 | (Reserve Forces)   | 91N         | SIRIS          | Dental specialist Dial/manual central office                  | 91E               | 91SAZ                       |
| defense radar repairer traffic control tower operator traffic control radar controller timunition stock control and accounting | 93H<br>93J  | 93 SER 93<br>93 SER 95<br>95 CSR 95<br>95 RES 95 | (Reserve Forces)  largue specialist  largo specialist  largerity and masonry  specialist | 91N<br>57H  | SIRIS          | Dental specialist  Dial/manual central office repairer  Diver | 91E<br>36H<br>305 | "CRE                        |

| Excapanic amusching   | <b>36</b> L | "TRE             | Field artillery target acquisition senior                                     | 13W         | 13<br>Zes      | Illustrator   | 81E         | es HE                |
|---|-------------|------------------|---|-------------|----------------|---|-------------|----------------------|
| systems repairer  | 135         |                  | sergeant  |             |                | lmag y analyst  | 96D         | *RIE                 |
| remmen recked vehicle   | 12F         | 12 REC           | Field arbitery target<br>acquisition specialist                               | 17C         | 13 REC         | Improved HAWK continu-  | 24K         | 27 RIE               |
| Ensied band leader  | 91U         | 97 AS/<br>91 SCR | Field general communica-<br>tions security repairer                           | 31\$        | *IRE           | Improved HAWK fire comrol mechanic                              | 24E         | 23 RE                |
| Environmental health  | 915         | *15AE            | Field radio repairer  | 31E         | n REI          | Improved HAWK fire  | 24H         | 27 27 5              |
| specialist  | 76C         | 70 REI           | Field systems communica-<br>tions security repairer                           | 31T         | *IRE           | Improved HAWK firing  | 24C         | 23 816               |
| parts specialist  |             |                  | Fighting vehicle infantry-<br>man   | 11 <b>M</b> | "REC           | section mechanic  | 246         | 700                  |
| Eactronic Warfare/<br>intercept Strategic<br>System Analyst and | 33M         | IRE              | Finance senior sergeant   | 73Z         | 71 CES         | Improved HAWK informa-<br>tion coordination central<br>mechanic | 24G         | "IR                  |
| Commend and Control Subsystem Repairer                          |             | _,,              | Finance specialist  | 73C         | 71 CES         | Improved HAWK mainte-   | 24V         | <del>27</del> 23.    |
| Electronic Warfare/   | 33P         | 32               | Fire control instrument repairer  | 41C         | BRIE           | nance chief -improved HAWK master                               | 24A         | <del>27</del> 23 - 5 |
| intercept Strategic Receiving Subsystems                        |             | コスト              | Firefighter   | 51M         | 51 75          | mechanic  |             |                      |
| Repairer  | <del></del> |                  | Fire support specialist   | 13F         | 13 REC         | Improved HAWK launcher/   | 24L         | 27                   |
| Electronic Warfare/<br>Intercept Strategic                      | 330         |                  | Fixed ciphony repairer  | 32F         | m LKE          | mechanical systems repairer                                     |             | RIE                  |
| Processing and Storage<br>Subsystems Repairer                   |             | IRE              | Fixed cryptographic equipment repairer  | 32G         | BIRE           | Improved HAWK pulse radar repairer                              | 24.)        | "RE                  |
| Electronic Warfare/   | 33R         | 33               | Fixed station radio repairer  | 32H         | 79 RET         | Indirect fire intentryman                                       | 110         | 11 RES               |
| Intercept Aviation<br>System Repairer                           |             | REI              | Flight operations coordina-<br>tor  | 93P         | <u>"Est</u>    | Industrial gas production specialist (Reserve                   | 538         | 51                   |
| Electronic Warfare  | <b>33</b> T | 33               | Flute or piccolo player   | 02G         | 97 ASI         | Forces:   |             | <u> </u>             |
| Intercept Tactica:<br>System Repairer                           |             | REI              | Food service specialist   | 948         | MESR           | Infantryman   | 118         | 11 RE                |
| Electronic Warfare  | 332         | 33 IRE           | Forward area alerting   | 27N         | 27 IRE         | Intelligence analyst  | 96B         | 96 AC                |
| Intercept Systems Maintenance Supervisor                        |             |                  | French hom player   | 020         | 97 ASI         | Intelligence senior sergeant                                    | 96Z         | *AE                  |
| Electronic warfare/signal<br>intelligence analyst               | 98C         | * AER            | Fuel and electrical systems repairer  | <b>63</b> G | BIRE           | Intenor electrician   | 51R         | 51 R/                |
| Electronic warfare/aignal intelligence chief                    | 98 <i>Z</i> | * AEI            | General construction  | <b>62</b> J | 51 REC         | demenogence   | 96C<br>71C  | 84 FFS               |
| Electronic warfare/signal<br>intelligence emitter               | <b>05</b> D | * Ra             | General engineering supervisor  | 51Z         | 51 <i>E</i> (5 | LANCE   | 15D         | 13<br>RLE            |
| identifier/locator Electronic warfare/signal                    | 05H         | 98               | Greves registration   | 57F         | 18 ESR         | sergeant  |             | 27 R16               |
| intelligence morse interceptor                                  |             | RCE              | Specialist Ground controlled  | 260         | 28 IRE         | LANCE systems repairer  Land combat support                     | 27L<br>27B  | 27 71 76<br>27       |
| lectronic warfare/signal  | 96.1        | * RCE            | approach radar repairer Ground surveillance                                   | 96R         | *REC           | system test specialist/<br>LANCE repairer                       |             | RIE                  |
| munications interceptor   |             |                  | systems operator  |             | 97 HST         | Laundry and bath specierist                                     | 57E         | "FEI                 |
| iectropic warfare/signa:<br>intelfigence non-morse              | 05K         | 98<br>RCE        | Gurtar player HAWK fire control crew  | 02T<br>16E  |                | Legal erem specialist   | 710         | 71 SEC               |
| interceptor<br>Electronic warfarer signal                       | 98G         | 90               | member HAWK missie  | 16D         | 16 75 7        | Light av detense artillen<br>Crewman (Reserve                   | 16F         | "REC                 |
| intelligence voice interceptor                                  |             | ASE              | crewmember  | 91X         | 18/5           | Forces:   | 63B         | 630.6                |
| Executive administrative assistant                              | 71C         | 71 ESC           | Health physics specialist Health physics specialist Health physics specialist | 11H         | 117×G          | mechan-c  |             | -KIE                 |
| Explosive ordnance  | <b>55</b> 0 | SERC.            | Infantryman Heavy construction  | 62E         | 51 DEC         | (Reserve Forces)  | 65F         | of KH                |
| disposal specialist  ye specialist                              | 917         | 915CK            | equipment operator Heavy lift helicopter                                      | 67X         | 51 REC         | Locomotive operator<br>(Reserve Forces)                         | 65H         | "RE                  |
| aboc repair specialist  | 43M         | 76 RCE           | repairer  | <del></del> |                | Locomotive repairer<br>(Reserve Forces)                         | 658         | STRIE                |
| feld artiflery computer   | 34Y         | "IRE             | Heavy lift helicopter<br>technical inspector                                  | 66X         |                | Machinist   | 44E         | 63 RÆ                |
| A digital systems repairer                                      | 341         | 74 IRE           | Heavy wheel vehicle mechanic  | <b>63</b> S | REC            | MANPADS <del>crewmen</del><br>crewmember                        | 165         | "RSE                 |
| Field arbitory firefinder<br>redar operator                     | 13A         | 13 ERI           | HERCULES electronics  | 240         | 21 _           | Manne senior sergeant   | 612         | "RE                  |
| field arbitery senior<br>sergeant                               | 132         | 12675            | MERCULES fire control   | 16C         | 16 RCE.        | Material control and accounting specialist                      | 76P         | 76 C SE              |
| seld aruliery meteorolog-                                       | 935         | 13 R/E           | HERCULES missie   | 16B         | <u>_</u>       | Material storage and<br>handling specialist                     | 76 v        | 16 RE                |
| CBI CTEWMEMBER  |             |                  | crewmember  |             | A407           | Material quality specialist                                     | 515IE       | 3                    |
| ield aratlery radar   | 17 <b>8</b> | 13 <b>22</b> C   | Hospital fond service   | yar.        |                |   |             |                      |
| field erellery radar<br>Crewmember<br>field erollery surveyor   | 178<br>82C  | 13 TEA.          | Hospital food service<br>specialist<br>IBM 380 repeirer                       | 94F<br>34K  | "TRE           | Mechanical maintenance supervisor                               | <b>63</b> Z | 63 RE                |

**A**-2

| TSA SCRIENCE RIE RIE RIE RIE RIE RIE RIE RIE RIE RI         | Orthopedic specialist  Parachute rigger  Patient administration aspecialist  PATRIOT missule crawmember  PATRIOT Operations and system mechanic  Percussion group leader  Percussion player  PERSHING electroal-mechanical repairer  PERSHING electronics material specialist  PERSHING missule crawmember  PERSHING missule crawmember  Personnel administration specialist  Personnel administration system management specialist  Personnel management specialist | 91H 42C 43E 71G 16T 24T 02R 02M 46N 21G 21L 15E 75E 75B  | 91 RCS<br>91 RSE<br>10 REI<br>10 REI<br>20 TRE<br>97 ASI<br>21 TRE<br>21 TRE<br>21 TRE<br>11 REI<br>11 CSE<br>11 CSE<br>11 CSE   | Railway section repairer (Reserve Forces)  Railway senior sergeant (Reserve Forces)  Recruiter (Reserve Forces)  Recruiter/retembon NCO (Reserve Forces)  Reserve Forces)  Reserve Forces  Reserve Forces reporting code  Respiratory specialist  ROLAND crewmember  ROLAND field mainte- nance test sets repairer  ROLAND mechanic  ROLAND mechanic  ROLAND repairer  Satellite communications equipment repairer  Saxophone player  Scout helicopter repairer (NISH)  Scout helicopter technical inspector (NISH)  | 65G 65Z 00E 00R 79D 09T 7, 91V 16G 27D 24S 27C 26Y 02L 67S   | PERENT NEW TRANSPORTERS  |
|---|--|--|--|--|--|--|
| SCRIENCE RIE RIE RIE RIE RIE RIE RIE RIE                    | Parachute rigger  Patient administration specialist  PATRIOT missile crewmember  PATRIOT Operations and system mechanic  Percussion group leader  Percussion player  PERSHING electroal-mochanical repairer  PERSHING electronics materiel specialist  PERSHING missile crewmember  Personnel actions specialist  Personnel administration specialist  Personnel information system management specialist  Personnel management                                      | 43E<br>71G<br>16T<br>24T<br>02R<br>02M<br>46N<br>21G<br>21L<br>15E<br>75E  | -76RCE  91 CSE  16REI  23 TRE  97 AST  97 AST  24 TRE  24 TRE  13 RET  11 CSE  71 CSE  | Railway serior sergeant (Reserve Forces)  Recruiter (Reserve Forces)  Recruiter/retention NCO Reentistment NCO (Reserve Forces)  Reserve Forces reporting code  ROLAND crewmember  ROLAND mechanic  ROLAND mechanic  ROLAND repairer  Satellite communications equipment repairer  Saxophone player  Scout helicopter repairer  (NISH)  | 00E 00R 79D 09T 7, 91V 16G 27D 24S 27C 26Y 02L 67S   | 10 SRL<br>10 SRL<br>10 SRL<br>16 RE<br>27 IR<br>22 RE<br>20 IRE<br>17 HST  |
| SCRIENCE RIE RIE RIE RIE RIE RIE RIE RIE                    | Patient administration appecialist  PATRIOT missule crawmember  PATRIOT Operations and system mechanic  Percussion group leader  Percussion player  PERSHING electronics material specialist  PERSHING electronics repairer  PERSHING electronics repairer  PERSHING electronics repairer  PERSHING missule crawmember  Personnel actions specialist  Personnel administration specialist  Personnel information system management specialist  Personnel management  | 71G 16T 24T 02R 02M 46N 21G 21L 15E 75E  | "CSE  "REI  "TRE  "ASI  "ASI  "TRE  "TRE  "TRE  "TRE  "TRE  "TRE  "CSE  "CSE   | Recruiter (Reserve Forces) Recruiter (Reserve Forces) Recruiter/retention NCO Reenlistment NCO (Reserve Forces) Reserve Forces reporting code Respiratory specialist ROLAND crewmember ROLAND field maintenance test sets repairer ROLAND mechanic ROLAND mechanic ROLAND repairer Satellite communications equipment repairer Saxophone player Scout helicopter repairer (NISH)   | 00E 00R 79D 09T 7, 91V 16G 27D 24S 27C 26Y 02L 67S   | 10 SRL<br>10 SRL<br>10 SRL<br>16 RE<br>27 IR<br>22 RE<br>20 IRE<br>17 HST  |
| RIE RIE RIE RIE RIE RIE RIE RIE                             | specialist  PATRIOT missile crewmember  PATRIOT Operations and system mechanic  Percussion group leader  Percussion player  PERSHING electronics material specialist  PERSHING electronics repairer  PERSHING electronics repairer  PERSHING missile crewmember  Personnel actions specialist  Personnel information system management specialist  Personnel management  | 16T 24T 02R 02M 46N 21G 21L 15E 75E  | PREI  PREI | Forces)  Recruiter/retention NCO  Reenlistment NCO (Reserve Forces)  Reserve Forces reporting code  Respiratory specialist  ROLAND crewmember  ROLAND field maintenance test sets repairer  ROLAND mechanic  ROLAND mechanic  ROLAND repairer  Satellite communications equipment repairer  Saxophone player  Scout helicopter repairer (NISH)  Scout helicopter technical   | 00R<br>79D<br>09T 7,<br>91V<br>16G<br>27D<br>24S<br>27C<br>26Y<br>02L<br>67S   | 10 SRL<br>10 SRL<br>10 SRL<br>16 RE<br>27 IR<br>22 RE<br>20 IRE<br>17 HST  |
| RIE RIE RIE RIE RIE RIE RIE                                 | crewmember  PATRIOT Operations and system mechanic  Percussion group leader  Percussion player  PERSHING electronics material specialist  PERSHING electronics repairer  PERSHING electronics repairer  PERSHING missale crewmember  Personnel actions specialist  Personnel administration specialist  Personnel information system management specialist  Personnel management   | 24T  02R  02M  46N  21G  21L  15E  75E   | PIRE  17 ASI  17 ASI | Reenistment NCO (Reserve Forces)  Reserve Forces reporting code  Respiratory specialist  ROLAND crewmember  ROLAND field maintenance test sets repairer  ROLAND mechanic  ROLAND mechanic  ROLAND repairer  Satellite communications equipment repairer  Saxophone player  Scout helicopter repairer (NISH)  Scout helicopter technical  | 79D 09T 7, 91V 16G 27D 24S 27C 26Y 02L 67S   | 91 IRS<br>16 RE<br>27 IR<br>22 RE<br>20 IRE<br>91 HST  |
| RIE TRE RIE RIE RIE RIE RIE                                 | PATRIOT Operations and system mechanic Percussion group leader Percussion player PERSHING electronics material specialist PERSHING electronics material specialist PERSHING missale crewmember Personnel actions specialist Personnel administration specialist Personnel information system management specialist Personnel management  | 02R<br>02M<br>46N<br>21G<br>21L<br>15E<br>75E  | PIRE  17 ASI  17 ASI | Reserve Forces) Reserve Forces reporting code Respiratory specialist ROLAND crewmember ROLAND field maintenance test sets repairer ROLAND mechanic ROLAND mechanic ROLAND repairer Satellite communications equipment repairer Sexophone player Scout helicopter repairer (NISH)   | 91V<br>18G<br>27D<br>24S<br>27C<br>28Y<br>02L<br>67S   | 91 IRS<br>16 RS<br>27 IR<br>22 RE<br>21 RE<br>22 IRE<br>97 HST   |
| RIE REE REE REE REE   | system mechanic  Percussion group leader  Percussion player  PERSHING electronics material specialist  PERSHING electronics material specialist  PERSHING electronics repairer  PERSHING missile crewmember  Personnel actions specialist  Personnel administration specialist  Personnel information system management specialist  Personnel management   | 02R<br>02M<br>46N<br>21G<br>21L<br>15E<br>75E  | 97 A5T<br>97 A5T<br>27 TRE<br>27 TRE<br>27 TRE<br>13 RET<br>11 CSE<br>71 CSE   | Reserve Forces reporting code  Respiratory specialist  ROLAND crewmember  ROLAND field maintenance test sets repairer  ROLAND mechanic  ROLAND repairer  Satisfilite communications equipment repairer  Saxophone player  Scout helicopter repairer (NISH)  Scout helicopter technical   | 91V<br>18G<br>27D<br>24S<br>27C<br>28Y<br>02L<br>67S   | 16 RE<br>27 IR<br>22 RE<br>27 RE<br>20 IR E<br>97 HST  |
| RIE<br>RIE<br>RIE<br>RET<br>RIE<br>RIE<br>RIE<br>RIE        | Percussion player  PERSHING electronics material specialist  PERSHING electronics material specialist  PERSHING electronics repairer  PERSHING missile crewmember  Personnel actions specialist  Personnel administration specialist  Personnel information system management specialist  Personnel management   | 02M<br>46N<br>21G<br>21L<br>15E<br>75E   | "ASI<br>"TRE<br>"TRE<br>"TRE<br>"REI<br>"CSE   | Respiratory specialist  ROLAND crewmember  ROLAND field maintenance test sets repairer  ROLAND mechanic  ROLAND repairer  Satellite communications equipment repairer  Saxophone player  Scout helicopter repairer (NISH)  Scout helicopter technical  | 16G<br>27D<br>24S<br>27C<br>26Y<br>02L<br>67S  | 16 RE<br>27 IR<br>22 RE<br>27 RE<br>20 IR E<br>97 HST  |
| RIE<br>RIE<br>RES<br>RIE<br>RES<br>RIE<br>RES<br>RIE<br>RIE | PERSHING electroal-<br>mochanical repairer  PERSHING electronics matenel specialist  PERSHING electronics repairer  PERSHING missile crewmember  Personnel actions specialist  Personnel administration specialist  Personnel information system management specialist  Personnel management   | 46N<br>21G<br>21L<br>15E<br>75E<br>75B   | "IRE "IRE "IRE "ICSE "ICSE   | ROLAND crewmember ROLAND field mainte- nance test sets repairer ROLAND mechanic ROLAND repairer Satellite communications equipment repairer Saxophone player Scout helicopter repairer (NISH) Scout helicopter technical   | 16G<br>27D<br>24S<br>27C<br>26Y<br>02L<br>67S  | 16 RE<br>27 IR<br>22 RE<br>27 RE<br>20 IR E<br>97 HST  |
| RIE<br>RIE<br>RIE<br>REI<br>REI<br>RIE<br>RIE               | mochanical repairer  PERSHING electronics materiel specialist  PERSHING electronics repairer  PERSHING missie crewmember  Personnel actions specialist  Personnel administration specialist  Personnel information system management specialist  Personnel management  | 21G<br>21L<br>15E<br>75E<br>75B  | PARET<br>PRET<br>PRET<br>POSE<br>POSE  | ROLAND field mainte-<br>nance test sets repairer  ROLAND mechanic  ROLAND repairer  Satellite communications equipment repairer  Saxophone player  Scout helicopter repairer (NISH)  Scout helicopter technical  | 27D 24S 27C 26Y 02L 67S  | TIRE<br>TRE<br>TRE<br>11 HSI   |
| RIE<br>RES<br>RIE<br>RES<br>RES<br>RES<br>RES<br>RES<br>RES | matenel specialist  PERSHING electronics . repairer  PERSHING missile crewmember  Personnel actions specialist  Personnel administration specialist  Personnel information system management specialist  Personnel management  | 21L<br>15E<br>75E<br>75B   | PARET<br>PRET<br>PRET<br>POSE<br>POSE  | nance test sets repairer  ROLAND mechanic  ROLAND repairer  Satellite communications equipment repairer  Saxophone player  Scout helicopter repairer (NISH)  Scout helicopter technical  | 245<br>27C<br>26Y<br>02L<br>67S  | 22 RE<br>27 RE<br>20 IRE<br>97 HST   |
| RIE<br>RES<br>RES<br>RES<br>RES<br>RES<br>RES<br>RES        | PERSHING electronics . repairer  PERSHING missile crewmember  Personnel actions specialist  Personnel administration specialist  Personnel information system management specialist  Personnel management  | 15E<br>75E<br>75B  | PRET<br>PRET<br>POSE<br>POSE   | ROLAND repairer  Satellite communications equipment repairer  Saxophone player  Scout helicopter repairer (NISH)  Scout helicopter technical   | 27C<br>26Y<br>02L<br>67S   | 27 RE<br>20 IRE<br>97 HST  |
| RIE<br>RES<br>RES<br>RES<br>RES<br>RES<br>RES<br>RES        | PERSHING missile crewmember  Personnel actions specialist  Personnel administration specialist  Personnel information system management specialist  Personnel management   | 15E<br>75E<br>75B  | "CSE   | Satellite communications<br>equipment repairer<br>Saxophone player<br>Scout helicopter repairer<br>(NISH)<br>Scout helicopter technical  | 26Y<br>02L<br>67S  | 20 IRE<br>97 HST   |
| RES<br>RIE<br>RES<br>RES<br>RES<br>RES<br>RIE               | crewmember  Personnel actions specialist  Personnel administration specialist  Personnel information system management specialist  Personnel management  | 75E<br>75B   | "CSE   | equipment repairer  Saxophone player  Scout helicopter repairer (NISH)  Scout helicopter technical   | 02L<br>67S   |  |
| RIE<br>REI<br>RE<br>RIE<br>RIE                              | Personnel actions specialist  Personnel administration specialist  Personnel information system management specialist  Personnel management  | 758  | "CSE   | Scout helicopter repairer (NISH) Scout helicopter technical  | 67S  |  |
| RIE<br>REI<br>RE<br>RIE                                     | Personnel administration specialist  Personnel information system management specialist  Personnel management  | 758  | "CSE   | (NISH) Scout helicopter technical  |  | "RIE   |
| RIE<br>REI<br>RE<br>RIE                                     | Personnel information system management specialist  Personnel management   |  |  | Scout helicopter technical   | 665  |  |
| REI<br>RE<br>RIĒ  | Personnel information system management specialist  Personnel management   | 75F  |  |  | 000  | 47   |
| RE<br>RE  | system management specialist Personnel management  | /5F  | 1°CES  | mapasion trained   |  | 67 TRE   |
| RIE   |  |  |  | Self-propelled field artillery turnet mechanic   | 45D  | BRE  |
| RIE   | SDecialist   | 75C  | 71550  | Senior supply sergeant   | 76Z  | 78 RE  |
|   | Personnel records  | 75D  |  | SGI YORK air defense   | 16L  | "RE  |
| <b>F</b>  | specialist   |  | "CSR   | crewmember   |  |  |
|   | Personnel sergeant   | 752  | 71 ESR   | SGT YORK air defense gun system mechanic   | 24W  | "RIE   |
| RIE   | Petroleum laboratory specialist  | 92C  | °2RI€  | SGT YORK air defense<br>gun system radar   | 27P  | 27   |
| RE  | Petroleum supply   | 76W  | °2 RCS   | electronics repairer   |  | <u> </u>   |
| ISR   | specialist Pharmacy specialis*   | 910  | FER  | SGT YORK air defense<br>gun system tast  | 270  | BIE  |
| 318   | Photo and layout specialist  | 83E  | OBIE   | specialist   |  | *RCE   |
|   | Photolithographer  | 83F  | 81R/E  | Signal security specialist   | 97G  | 98 / CE  |
| RIE   | Physical activity specialist   | 030  | 71,562   | Simultaneous membership program  | 09A  | <u> </u>   |
| RE  | Physical therapy specialist  | 91F  | 91 SIE   | Single channel radio operator  | 31C  | 31 RCE   |
| TRE   | Piano player   | 02N  | 97 F45 /   | Small arms repairer  | 458  | WRES   |
| IRE   | Plumber  | 51K  | 51 RE  | Smoke operations   | '54C   | SIZZ   |
|   | Power generation<br>equipment repairer   | 520  | ed RIE   | specialist   |  | 730  |
| RE  | Practical nurse  | 91C  | 91 SAI   | Special agent  | 95D  | 95SEC  |
| TSA   | Prime power production   | 52E  | 51 RES   | Special bandperson   | 025  | 97 <i>FF</i> 5/  |
| IRE   | specialist   |  |  | Special duty assignment  | 35E  | 20 877/1   |
| 1   | Psychiatric specialist   | 91F  | 9. SEC   | Special electronic devices repairer  |  | <u>"KIE</u>  |
| PDI<br>REI  | Psychological operations specialist  | <b>96</b> F  | SO AET   | Special Operations Weapons Sergeant  | 188  | " SRE  |
|   | Programmer/analyst   | 74F  | 14 IER   | Special Operations   | 18C  | 10 KR F  |
| <u>REI</u>  | Public affairs/audiovaual chief  | 84Z  | "SEC   | Engineer Sergeant Special Operations   | 18D  | 10 5/0   |
|   | Quarrying specialist   | 62G  | 51 RIE   | Medical Sergeant   |  |  |
| RIE   | Quartermester and chemical equipment   | <b>63</b> J  | RIE  | Special Operations Communications Serpesmi   | 18E  | "5RC   |
| <u>RIE</u><br>PET   | Radio/television systems   | <b>26</b> T  |  | Special Operations   | 18F  | 10 ERS   |
| REI   | Specialist   | 65D  |  | Special Operations Senior  | 182  | 10 FCD   |
| RÉI<br>SRE  | Railway car repairer   |  |  | Sergeant   | 220  | 31 STE   |
| SRE<br>RES  | Railway car repairer<br>(Reserve Forces)   |  | WITT   |  |  | WRSE   |
| _   | RIE<br>EI  | Cuarrying specialist  Cuarrying specialist | Cuerrying specialist 62G  Cuerremaster and 63J  chemical equipment repairer  Radio/television systems 26T  specialist  Railway car repairer  (Reserve Forces)  | C. Quartermaster and chemical equipment repairer RET Releases SRE Releases SRE Releases Relea | C. Ouarrying specialist 62G 51 RTE Special Operations Medical Sergeant C. Ouartermaster and chemical equipment repairer Radio/televiaion systems apecialist RET Special Operations Sergeamt  SRE Railway car repairer (Reserve Forces)  Special Operations Medical Sergeant Sepecial Operations Sergeamt Sergeamt Sepecial Operations Senior Sergeant Ser | C. Ouarrying specialist 62G 51 R I E Special Operations 18D Medical Sergeant 18D Medical Sergeant 18D Medical Sergeant 18E Communications 18E Communications 18E Communications 18E Communications 18E Communications 18E Sergeam 18F Special Operations 18F Intelligence Sergeam 18F Intelligence Sergeam 18F Intelligence Sergeam 18E Special Operations 18F Intelligence Sergeam 18E Sergeant 18E Sergea |

|  |             | ·            |
|--|-------------|--------------|
| Strategic microwave<br>systems repairer                  | 26∨         | *RSC         |
| Strategic satellite microwave systems                    | 26R         | 31<br>RIC    |
| Structures specialist                                    | 51C         | SIRSC        |
| Subsistence supply specialist                            | 76X         | PREI         |
| Tactical fire operations specialist                      | 180         | 13 CSR       |
| Tactical circuit controller                              | 31N         | 315EC        |
| Tectical communications<br>systems operator/<br>mechanic | 31V         | 31 REI       |
| Tactical computer systems repairer                       | 34T         | "IRE         |
| Tactical fire control systems repairer                   | 45G         | PRIE         |
| Tactical microwave<br>systems repairer                   | 26L         | 20 REI       |
| Tactical satellite/<br>microwave systems<br>operator     | 260         | 31 REI       |
| Tactical transport<br>helicopter repairer                | 671         | "RES         |
| Tactical transport helicopter technical inspector        | <b>66</b> T | 67<br>RES    |
| Tank turret repairer                                     | 45K         | 63 RES       |
| Technical drafting apecialist                            | 81B         | SIRIE        |
| Technical engineering supervisor                         | 51T         | 51 IRS       |
| Telecommunications center operator                       | 72E         | 31 CSE       |
| Teletypewriter repairer                                  | 31J         | 29 RES       |
| Terram analyst   | 810         | 81RIE        |
| Topographic angineering supervisor                       | B1Z         | 81655        |
| Topographic instrument repair specialist                 | 418         | * RIE        |
| Topographic surveyor                                     | 820         | 81 E/K       |
| TOW/DPAGON repairer                                      | 27E         | · 27K/E      |
| Track vehicle repairer                                   | 63H         | 63 X 3 E     |
| Track vehicle machanic Traffic management                | 71N         | MECE         |
| coordinator Train crew member                            | 654         | "ESK<br>"RSE |
| (Reserve Forces)   |             |              |
| Transmission and distribution specialist                 | 52G         | 51 RES       |
| Transportation senior sergeant                           | 64Z         | u ESR        |
| Trombone player  | 02E         | 97FF31       |
| Tuba player  | 02F         | 97 45E       |
| Turbine engine driven generator repairer                 | 52F         | "RES         |
| Television/radio broadcast operations chief              | 84T         | 45E/         |
| Unit supply specialist                                   | 76Y         | 76 KC 1      |
| Utilities equipment repairer                             | 52C         | WEIL OF      |
| Utility/cargo airplane repairer                          | 67G<br>     | "KES         |
| Utility/cargo simpleme<br>technical inspector            | <b>66</b> G | 67 RES       |

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| Utility helicopter repairer                           | 67N      | o7 ₹₹     |
|---|----------|-----------|
| Ubirty helicopter technical inspector                 | 66N<br>- | "Res      |
| Veterinary food inspection specialist                 | 91R      | "REI      |
| VULCAN repairer                                       | 27F      | ZIRIE     |
| VULCAN system mechanic                                | 24M      | 23 TRE    |
| Warrant officer candidate                             | 09W      |           |
| Watercraft engineer                                   | 61C      | uRE1      |
| Watercraft operator                                   | 618      | on REI    |
| Water treatment and<br>plumbing systems<br>specialist | 51N      | OZ<br>REI |
| Wheel vehicle repairer                                | 63W      | OF RET    |
| Wire systems installer                                | 36C      | 31 RSE    |
| Wire systems operator                                 | 36M      | 31 CSE    |
| Woodwind group leader                                 | 020      | OF ASI    |
| X-ray specialist                                      | 91P      | 91 RST    |
|   |          |           |

## APPENDIX B HOLLAND-CODED ARMY ENTRY-LEVEL OCCUPATIONS

#### Holland-Coded Army Entry-Level Occupations

- 1. Still Photographer RSE
- 2. Motion Picture Specialist AES
- 3. Interpreter ESA
- 4. Journalist ASE
- 5. Broadcaster ESR
- 6. Dental Specialist SAI
- 7. Medical Record Technician CSE
- 8. X-Ray Technician RSI
- 9. Practical Nurse SAI
- 10. Medical Lab Technician ISA
- 11. Orthotist RSE
- 12. Electrocardiograph Technician RCI
- 13. Optometric Assistant SCI
- 14. Emergency Medical Technician ESI
- 15. Operating Room Technician ISR
- 16. Orthopedic Assistant RCS
- 17. Recording Engineer RES
- 18. Drafter IRC
- 19. Surveyor, Marine IER
- 20. Cartographer RIE
- 21. Weather Observer RIE
- 22. Radar and Sonar Operator RIS
- 23. Air Traffic Controller SER
- 24. Radio Officer RCE
- 25. Radio Intelligence Operator RCE
- 26. Paralegal Assistant SEC
- 27. Computer Programmer CRS
- 28. Disaster or Damage Control Specialist ERS
- 29. Radiographer RIS
- 30. Store Manager ESR
- 31. Stock Clerk RSE
- 32. Computer Operator SCE
- 33. Secretary (Stenographer, Yeoman) CSE
- 34. Court Report (legal secretary) CSE
- 35. General Office Clerk CSE
- 36. Hotel Clerk ECS
- 37. Travel Clerk ESC
- 38. Personnel Specialist CSE
- 39. Accounting Clerk, Data Processing CRS
- 40. Payroll Clerk CRS
- 41. Command and Control Specialist CSE
- 42. Telegraphic-Typewriter Operator CSE
- 43. Postal Clerk ECS
- 44. Dispatcher ESC
- 45. Maintenance Data Analyst ERS
- 46. Airplane Dispatch Clerk SEC
- 47. Shipping and Receiving Clerk REC
- 48. Stock Clerk RCS
- 49. Data Entry Operator CSE
- 50. Fire Fighter RES

- 51. Special Agent ERI
- 52. Military Police SRE
- 53. Criminal Investigator ESI
- 54. Correction Officer SER
- 55. Cook RSE
- 56. Physical Therapy Assistant SCR
- 57. Occupational Therapy Assistant SCE
- 58. Barber SER
- 59. Automobile Mechanic RIE
- 60. Truck Mechanic RIE
- 61. Automobile Body Repairer RIE
- 62. Aircraft Mechanic RIE
- 63. Construction Equipment Mechanic REI
- 64. Marine Engine Mechanic RIE
- 65. Nuclear Powerplant Mechanic REI
- 66. Sonar and Radar Equipment Repairer IRE
- 67. Radio Mechanic IRE
- 68. Electronic Weapon System Repairer IRE
- 69. Computer Systems Technician IRE
- 70. Teletype Repairer IRE
- 71. Electronic Instrument Repairer RIE
- 72. Aircraft Electrician RIE
- 73. Electrical Product Repairer RCE
- 74. Telephone Maintenance Mechanic RIE
- 75. Wire Installer RIE
- 76. Heating/Cooling Mechanic RES
- 77. Instrument Mechanic RIE
- 78. Photographic Equipment Repairer RIE
- 79. Business Machine Mechanic RES
- 80. Crane Rigger RSC
- 81. Gunsmith RES
- 82. Deep Sea Diver RES
- 83. Cement Mason RES
- 84. Carpenter REI
- 85. Building Electrician REI
- 86. Plumber REI
- 87. Paving Equipment Operator RES
- 88. Structural-Steel Worker REI
- 89. Well Driller RIE
- 90. Blasting Specialist RIE
- 91. Machinist RIE
- 92. Shipfitter RIE
- 93. Sheet Metal Worker REI
- 94. Alteration Tailor RIE
- 95. Optician REI
- 96. Dental Laboratory Technician REI
- 97. Water-Treatment Plant Operator REI
- 98. Power Plant Operator REI
- 99. Printer RIE
- 100. Film Developer RES
- 101. Compressed-Gas-Plant Worker RIE
- 102. Welder RES
- 103. Parachute Rigger RCE

- 104. Truck Driver RSE
- 105. Boat Operator RIE
- 106. Navigator CRE
- 107. Seaman RES
- 108. Ship Engineer RES
- 109. Flight Engineer RES
- 110. Heavy Equipment Operator REC
- 111. Stevedore RES
- 112. Petroleum Supply Specialist RIE
- 113. Air Crew Member REI
- 114. Artillery Crew Member REI
- 115. Infantryman RES
- 116. Special Forces REI
- 117. Tank Crew Member REI
- 118. Combat Engineer RES
- 119. Recruiting Specialist SEC
- 120. Food and Drug Inspector SAE
- 121. Computer System Analyst IER
- 122. Intelligence Specialist AES
- 123. Human Relations or Drug and Alcohol Counselor SER
- 124. Recreation Specialist SEI
- 125. Religious Program Specialist SEA
- 126. Vocational Instructor SEI
- 127. Respiratory Therapist IRS
- 128. Commercial Artist AES
- 129. Musician ASI

## APPENDIX C HOLLAND-CODED NAVY ENTRY-LEVEL OCCUPATIONS

#### Holland-Coded Entry-Level Occupations

|     | Navy Code  | L  | Holland Code |
|-----|------------|--|--------------|
| 1.  | AB         | Aviation Boatswain's Mate                    | RES          |
| 2.  | AC         | Air Traffic Controller                       | SER          |
| З.  | AD         | Aviation Machinist Mate                      | RIE          |
| 4.  | AE         | Aviation Electrician's Mate                  | RIS          |
| 5.  | AG         | Aerographer's Mate                           | IRS          |
| 6.  | AK         | Aviation Storekeeper                         | REC          |
| 7.  | AM         | Aviation Structural Mechanic                 | RES          |
| 8.  | <b>A</b> O | Aviation Ordnanceman                         | REI          |
| 9.  | •          | Aviation Fire Control Technician             | RIE          |
| 10. | AQ AE      | Aviation FC Tech                             | IRE          |
| 11. | ASM        | Aviation Support Equipment Technician        | RSE          |
| 12. |            | Aviation Electronics Technician              | IRE          |
|     | AT AE      | Aviation Electronics Technician              | IRE          |
| 14. |            | Aviation Anti-Submarine Warfare Operator     | RIE          |
| 15. |            | Aviation Anti-Submarine Warfare Technician   | IRE          |
| 16. |            | Aviation Anti-Submarine Warfare Technician   | IRE          |
| 17. |            | Aviation Maintenance Administrationman       | CRS          |
| 18. |            | Boiler Technician                            | RSE          |
|     | BT AT      | Boiler Technician                            | RIE          |
|     | BU         | Builder                                      | REI          |
| 21. | CE         | Construction Electrician                     | RES          |
| 22. |            | Construction Mechanic                        | RSE          |
|     | CTA        | Cryptologic Technician, Administrative       | CES          |
|     | CTI1       | Cryptologic Technician, Interpretive         | AEI          |
| 25. |            | Cryptologic Technician, Maintenance          | IRE          |
|     | CTO        | Cryptologic Technician, Operator             | CER          |
|     | CTRT       | Cryptologic Technician, Collection/Technical |              |
|     | CTI2       | Cryptologic Technician, Interpretive         | AEI          |
|     | DK         | Disbursing Clerk                             | CES          |
|     | DP         | Data Processing Technician                   | CEI          |
|     | DS AEF     | Data Systems Technician                      | IRE          |
| 32. |            | Dental Technician                            | SIA          |
| 33. |            | Engineering Aid                              | RIE          |
| 34. |            | Electrician's Mate                           | RIS          |
| 35. |            | Nuclear Field                                | IRE          |
| 36. | EN         | Engineman                                    | REI          |
| 37. | GS AT      | Gas Turbine Systems Technician               | REI          |
| 38. | EO         | Equipment Operator                           | RSE          |
| 39. | ET         | Electronics Technician                       | IRE          |
| 40. | ET AE      | Electronics Technician                       | IRE          |
| 41. | ET NF      | Electronics Technician                       | IRE          |
| 42. | EW         | Electronics Warfare Technician               | RIE          |
| 43. | EM YE      | Electronics Warfare Technician               | IRE          |
| 44. | FC FT      | Fire Control Technician                      | IRE          |
| 45. | FT AE      | Fire Control Technician                      | IRE          |
| 46. | GM         | Gunner's Mate                                | REI          |
| 47. | GMT        | Gunner's Mate Technician                     | RIE          |
| 48. | НМ         | Hospital Corpsman                            | SIA          |

| 49.         | HM AT    | Hospital Corpsman                                 | SIR |
|-------------|----------|---|-----|
| 50.         | HT       | Hull Maintenance Technician                       | RIE |
|             | HT AT    | Hull Maintenance Technician                       | IRE |
| 52.         |          | Interior Communications Electrician               | RIS |
|             | IC AT    | Interior Communications Electrician               | IRE |
|             | IC NF    | Interior Communications Electrician               | RIS |
| 55.         |          | Instrumentman                                     | IRE |
| 56          | IS       | Intelligence Specialist                           | ERS |
| 57.         |          | Journalist  | EAS |
|             | ML       | Molder  | REI |
| 59.         | MM       | Machinist's Mate                                  | RIE |
| <b>6</b> 0. | MM NF    | Machinist's Mate                                  | RIE |
| 61.         | MN       | Mineman   | RIE |
| 62.         | MR       | Machinery Repairman                               | RIE |
|             | MS       | Mess Management Specialist                        | ESR |
| 64.         | OM       | Opticalman  | RIC |
|             | os       | Operations Specialist                             | CSR |
| 66.         | OTA      | Ocean Systems Technician Analyst                  | IRS |
|             | PC       | Postal Clerk                                      | CSE |
| 68.         | SWS AE   | Strategic Weapons Systems Electronics (Undecided) | IRE |
|             | PH       | Photographer's Mate                               | RES |
| 70.         | PM       | Patternmaker                                      | RIE |
| 71.         | PN       | Personnelman                                      | SEC |
| 72.         | PR       | Aircrew Survival Equipmentman                     | RCE |
| 73.         | QM       | Quartermaster                                     | RET |
| 74.         | RM       | Radioman  | RCE |
| 75.         | RM AE    | Radioman  | RIE |
| 76.         | SH       | Ship's Servicemen                                 | ESC |
| 77.         | SK       | Storekeeper                                       | ESC |
| 78.         | SM       | Signalman   | RCE |
| 79.         | STG AE   | Sonar Technician, Surface                         | RIE |
| 80.         | STS AE   | Sonar Technician, Submarine                       | RIE |
| 81.         | SW       | Steelworker                                       | REI |
| 82.         | TM       | Torpedoman's Mate                                 | RIE |
| 83.         |          | Utilitiesman                                      | REI |
| 84.         |          | Yeoman  | CSE |
| 85.         | UFTG AEF | Underwater Fire Control Technician,               | RIE |
|             |          | Gun Fire Control                                  |     |
| 86.         | TMS      | Torpedoman's Mate, Submarine                      | RIE |
| 87.         | STS      | Sonar Technician, Submarine                       | RES |
| 88.         | STG      | Sonar Technician, Surface                         | REI |
| 89.         | TMT      | Torpedoman's Mate Technician                      | RES |
| 90.         | RP       | Religious Program Specialist                      | SAI |
| 91.         | FS       | Fireman Subfarer (Undecided)                      | RES |
| 92.         | SS       | Seaman Subfarer (Undecided)                       | RES |
| 93.         | ASE      | Aviation Support Equipment Technician             | RIE |
| 94          | QMS      | Quartermaster, Submarine                          | REI |
| 95.         | OTM AE   | Oceans Systems Technician                         | RIE |
| 96.         | MM AT    | Machinists Mate                                   | RIE |
| ,           |          |   |     |

## APPENDIX D ARMY ENLISTED OCCUPATIONS DISTRIBUTION

Table D-1
Army Enlisted Occupations Distribution

|   | f   |     |   | f  |    |
|---|---|-----|---|--|----|
| RIS<br>RIE<br>RIC<br>RSE<br>RSC<br>RSI<br>REI<br>RES<br>REC<br>RCI<br>RCS | 2<br>78<br>2<br>17<br>4<br>2<br>42<br>26<br>18<br>4 |     | SEC<br>SER<br>SEI<br>SCR<br>SRE<br>SRC<br>SIA<br>SIE<br>SIR<br>SAE<br>SAI | 6<br>6<br>1<br>4<br>7<br>1<br>1<br>3<br>1<br>1 |    |
| RIE   | $\frac{15}{214}$                                    | 57% | J   | 34   | 9% |
| ISR<br>ISA<br>IER<br>IEA<br>IRS<br>IRE                                    | 3<br>2<br>4<br>1<br>3<br>40                         | 14% | ERI<br>ERS<br>ERC<br>EIS<br>EIR<br>ESC<br>ESR<br>ESI                      | 1<br>8<br>1<br>1<br>2<br>3<br>8<br>1<br>25     | 7% |
| ASE<br>ASI<br>AER<br>AEI<br>AES   | 3<br>16<br>1<br>6<br>3<br>29                        | 8%  | CRI<br>CRE<br>CSE<br>CSR<br>CES   | 2<br>1<br>12<br>3<br>3<br>21                   | 6% |

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